

CLAIM AMENDMENTS

IN THE CLAIMS

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

1. (Currently Amended) A flameless pavement repair system comprising:
a vehicle;
a hopper disposed on the vehicle, the hopper having no flame-based heat source associated therewith;

at least one flameless heating element disposed proximate the hopper, the flameless heating element operable to maintain aggregate materials in the hopper within a selected temperature range; and

a hydraulically driven on-board generator disposed on the vehicle, powered by the vehicle and operable to provide power to the at least one flameless heating element during vehicle operation.

2. (Original) The pavement repair system of Claim 1 wherein the at least one flameless heating element further comprises an electric heating element.

3. (Original) The pavement repair system of Claim 2 wherein the flameless heating element further comprises an electric immersion heater.

4. (Original) The pavement repair system of Claim 1 further comprising two cylindrical, electric heating elements disposed within an air jacket proximate the hopper.

5. (Original) The pavement repair system of Claim 4 wherein the electric heating element further having a combined capacity of at least seven kilowatts.

6. (Previously Presented) The pavement repair system of Claim 1 further comprising the at least one flameless heating element operable to maintain the aggregate materials within the hopper between 250°F and 350°F.

7. (Previously Presented) The pavement repair system of Claim 1 further comprising:

a first flameless heating element disposed within an air jacket adjacent to a first side of the hopper;

a second heating element disposed within the air jacket adjacent to a second side of the hopper; and

the first flameless heating element and the second flameless heating element operable to maintain the aggregate materials in the hopper between 275°F and 300°F.

8. (Original) The pavement repair system of Claim 1 further comprising a thermostatic controller associated with the at least one flameless heating element.

9. (Original) The pavement repair system of Claim 1 further comprising the hopper having an air jacket.

10. (Original) The pavement repair system of Claim 1 further comprising the at least one flameless heating element operable to be alternately powered by an external power source.

11. (Original) The pavement repair system of Claim 10 wherein the external power source comprises a power cord operable to connect with an electrical power outlet.

12. (Cancelled)

13. (Currently Amended) A flameless hopper assembly for providing hot-mix asphalt for a pavement repair vehicle without a flame-based heat source comprising:

- a hopper body;
- at least one flameless heating element disposed adjacent the hopper body operable to heat aggregate materials within a selected temperature range;
- the at least one flameless heating element operable to be powered a hydraulically driven on-board generator powered by a pavement repair vehicle; and
- the at least one flameless heating element operable to be powered by an external power source.

14. (Original) The hopper assembly of Claim 13 further comprising two cylindrical, electrical heating elements disposed within the air jacket.

15. (Original) The hopper assembly of Claim 13 wherein the at least one flameless heating element comprises at least one electric immersion heater.

16. (Previously Presented) The hopper assembly of Claims 13 wherein the at least one flameless heating element is operable to maintain the aggregate materials between 250° F and 350° F.

17 (Previously Presented) The hopper assembly of Claims 13 wherein the at least one flameless heating element is operable to maintain the aggregate materials between 275° F and 300° F.

18. (Currently Amended) A method for heating a hopper **having no flame-based heat source** in a pavement repair vehicle comprising:

providing at least one flameless heating element in an air jacket adjacent to the hopper; and

providing power to the flameless heating element using hydraulically driven on-board generator powered by a vehicle operable to heat aggregate materials within the hopper to a selected temperature range.

19. (Cancelled)

20. (Previously Presented) The method of Claim 18 further comprising providing two cylindrical electric heating elements operable to maintain the aggregate materials between 275° F and 300° F.